

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 June 2004 (10.06.2004)

PCT

(10) International Publication Number
WO 2004/048372 A1

(51) International Patent Classification⁷: **C07D 417/06**,
497/04, A61K 31/426, A61P 35/00, C07D 327/02, 281/00
// (C07D 497/04, 327:00, 303:00)

(74) Agents: **KÖNIG, Beate et al.**; König & Köster, Morassistrasse 8, 80469 München (DE).

(21) International Application Number:
PCT/EP2003/013412

(22) International Filing Date:
28 November 2003 (28.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
102 55 681.4 28 November 2002 (28.11.2002) DE
103 27 472.3 18 June 2003 (18.06.2003) DE

(71) Applicant (for all designated States except US): **MORPHOCHEM AKTIENGESELLSCHAFT FÜR KOMBINATORISCHE CHEMIE** [DE/DE]; Gmunder Strasse 37-37a, 81379 München (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **RICHTER, Wolfgang** [DE/DE]; Gmunder Strasse 37-37a, 81379 München (DE). **WEBER, Lutz** [DE/DE]; Gmunder Strasse 37-37a, 81379 München (DE).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

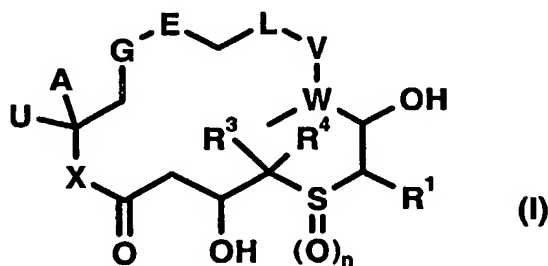
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **THIA-EPOTHILONE DERIVATIVES FOR THE TREATMENT OF CANCER**

(57) Abstract: The present invention relates to new Macrocycles of formula (I) and their use for the treatment of cancer.



WO 2004/048372 A1